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FIG. 1

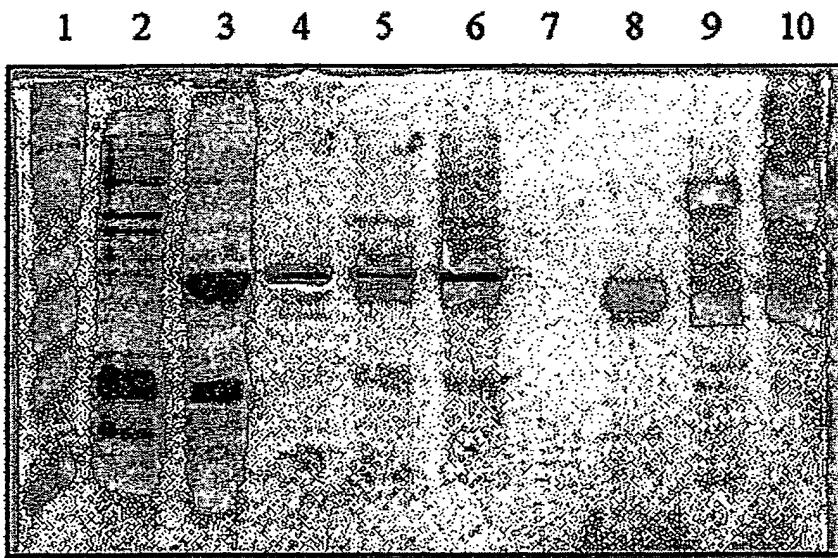


FIG. 2

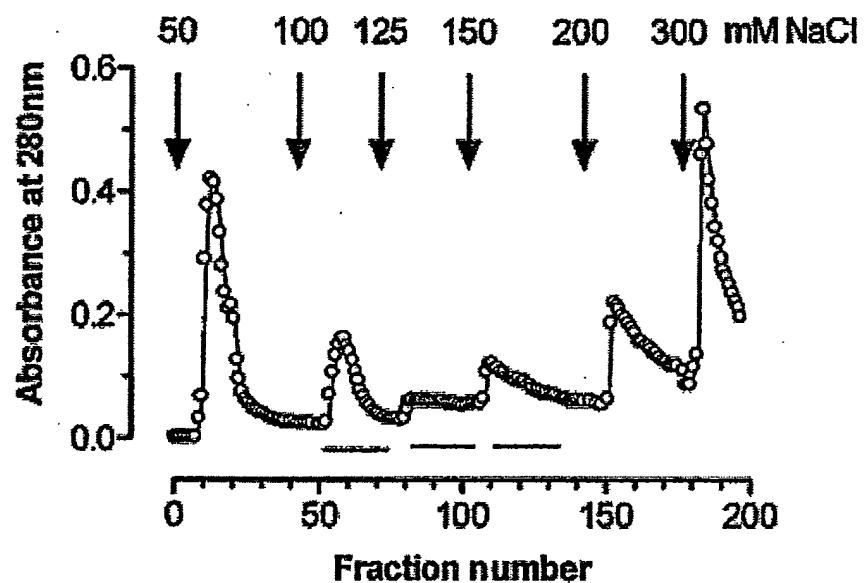


FIG. 3

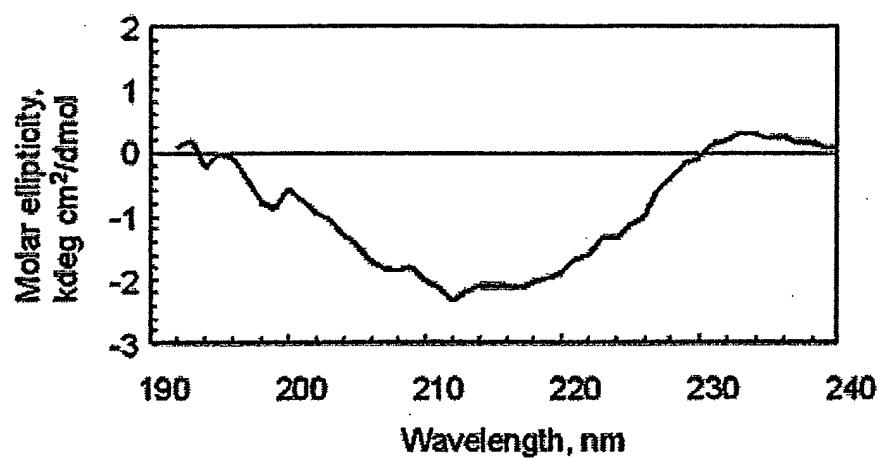


FIG. 4

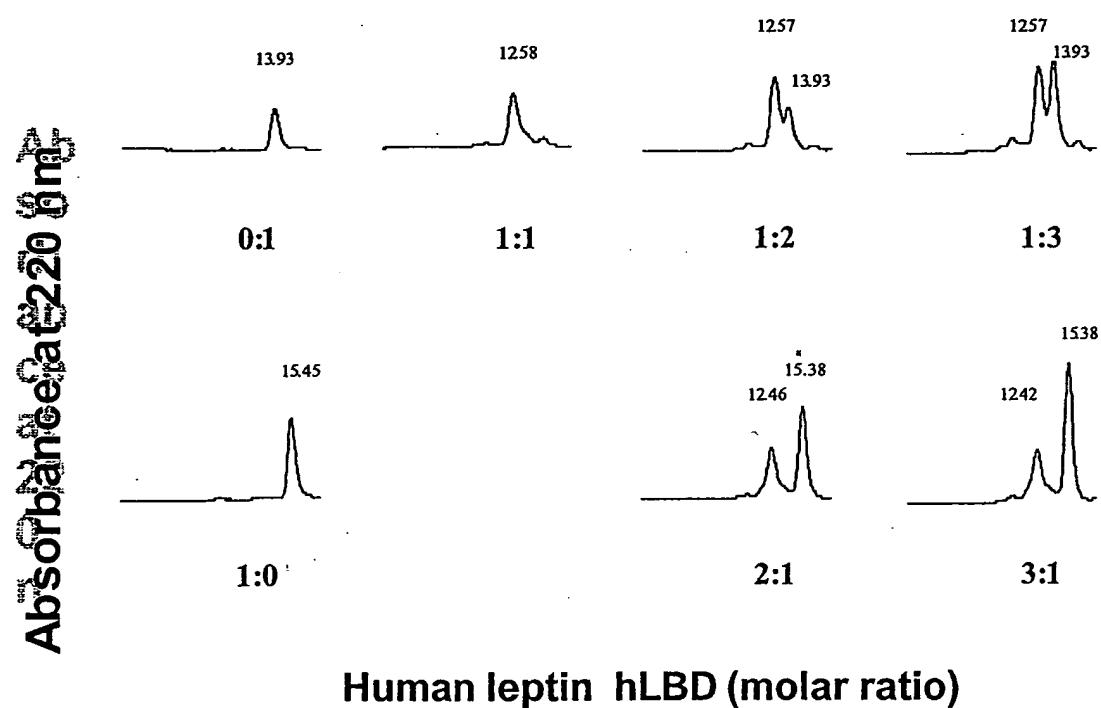


FIG. 5

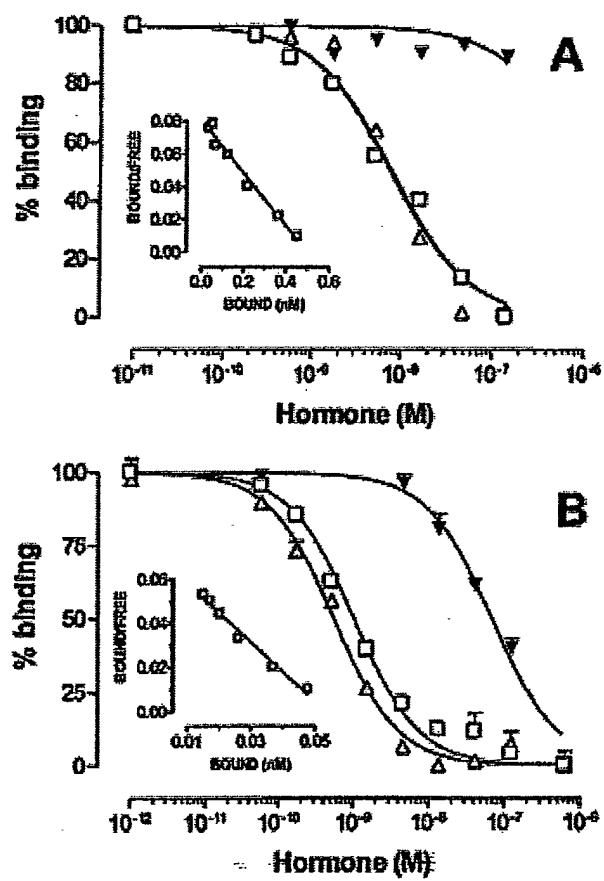


FIG. 6

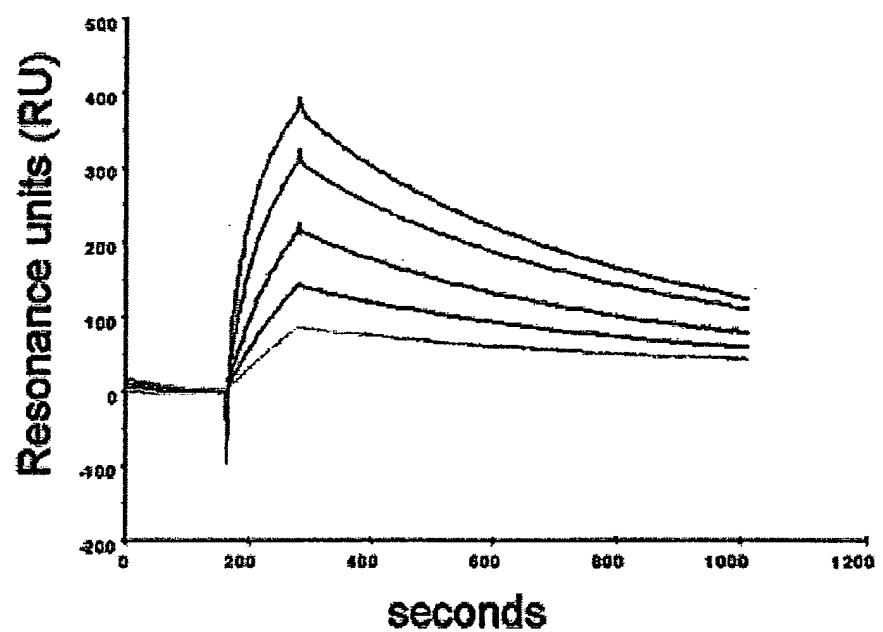


FIG. 7

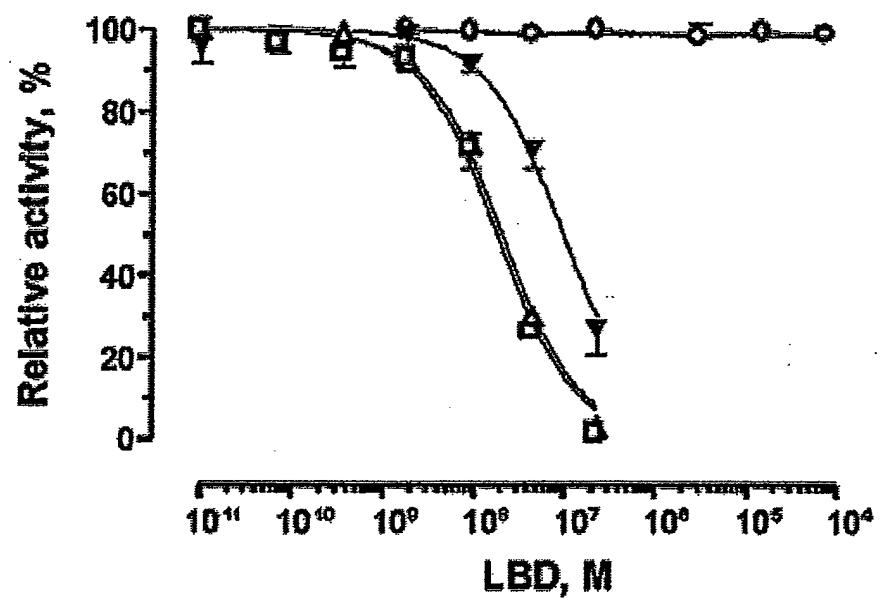


FIG. 8

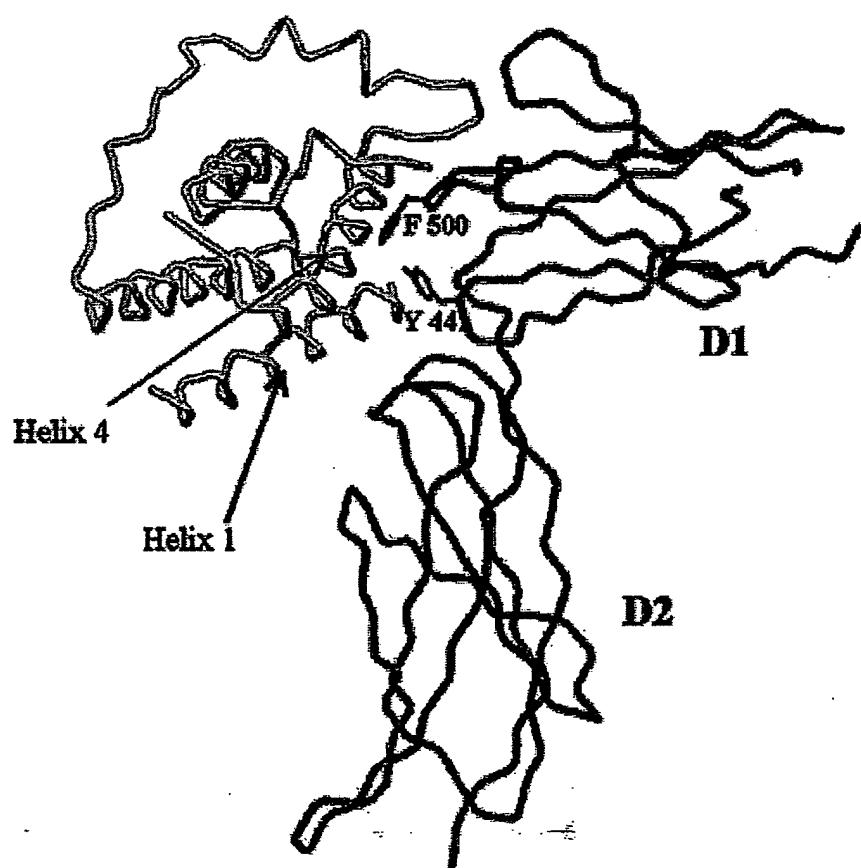


FIG. 9

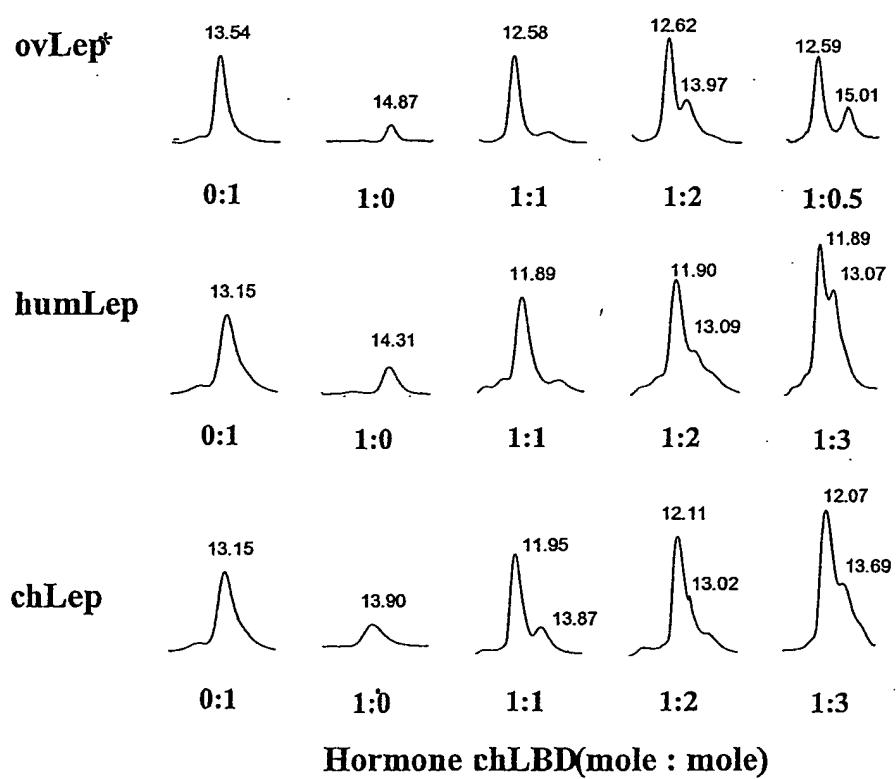
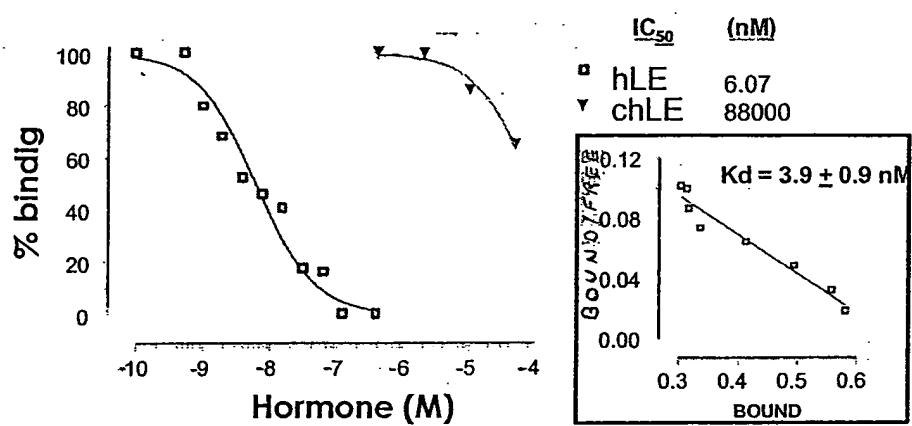


FIG. 10



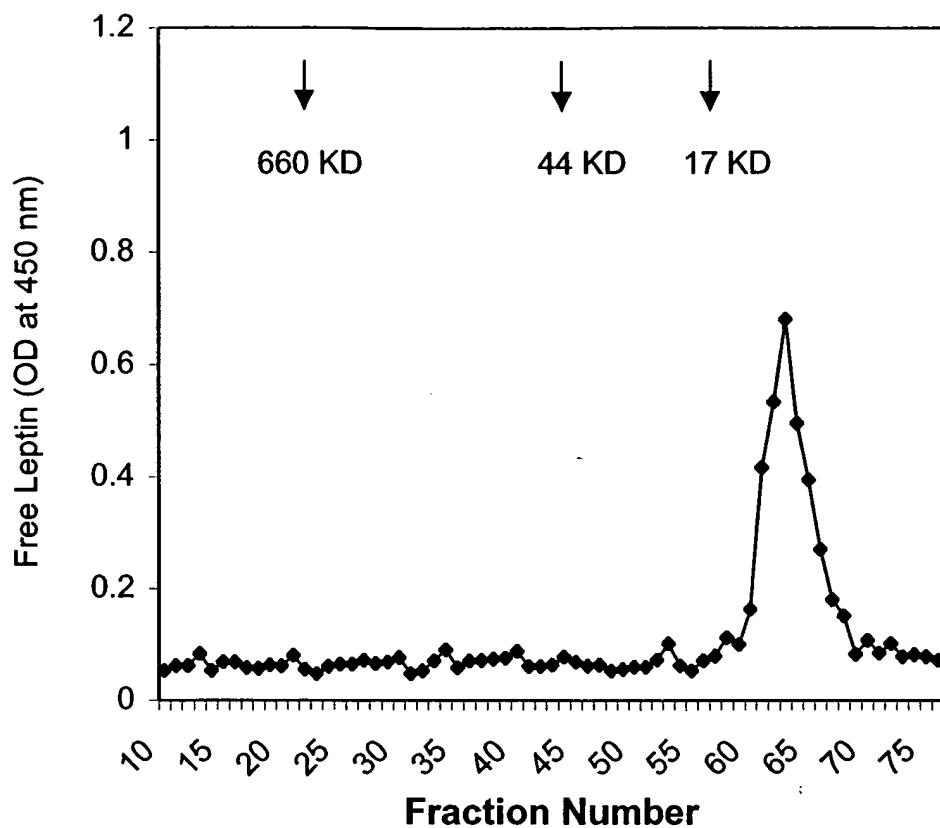


Figure 11. HPLC profile of free leptin. A fresh serum sample was fractionated and fractions assayed for free leptin reactivity by the present Free Leptin RMEIA. The column flow rate was 0.5 mL/min and 0.5 mL fractions were collected. Arrows mark the elution peak of the gel filtration molecular weight markers.

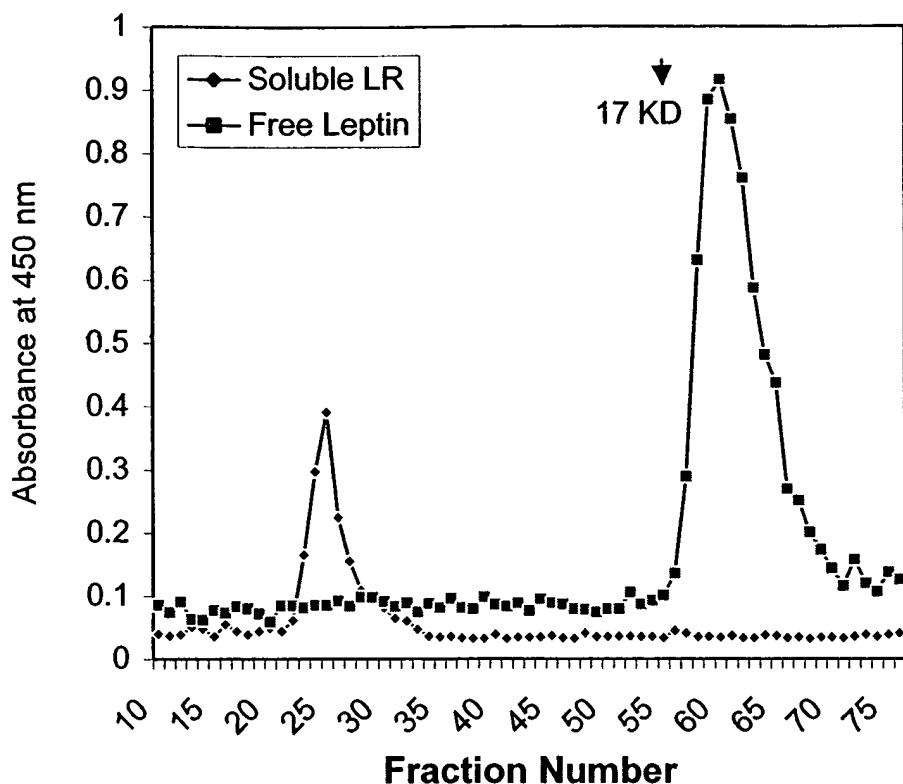


Figure 2. HPLC profile of soluble leptin receptor and free leptin. A fresh serum sample containing 200 ng/mL soluble leptin receptor was overnight pre-incubated with 400 ng/mL exogenous leptin, fractionated as in Figure 1, and fractions assayed for soluble leptin receptor and free leptin. Arrows mark the elution peak of the gel filtration molecular weight markers.

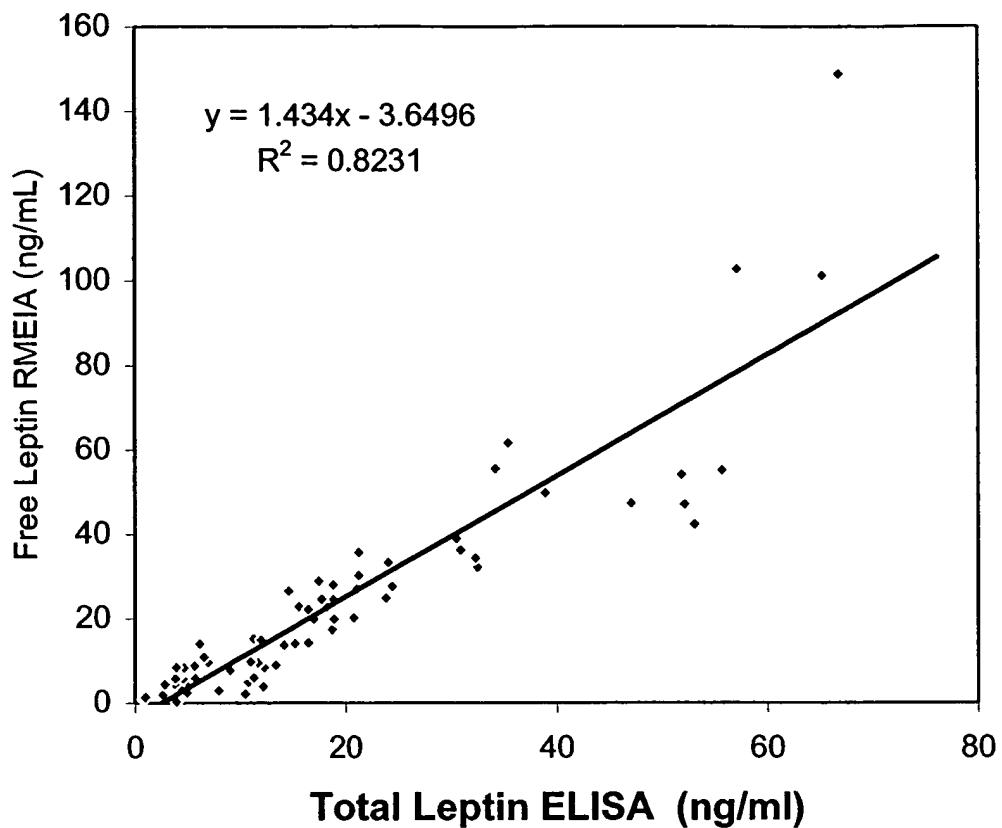


Figure 13. Comparison of free leptin RMEIA with total leptin ELISA. A randomly selected population of adult male and female clinical samples (n= 69) were assayed for total leptin by DSL Leptin ELISA and by the present Free Leptin RMEIA. Values are means of duplicate measurements. RMEIA leptin standards were prepared in normal goat serum.

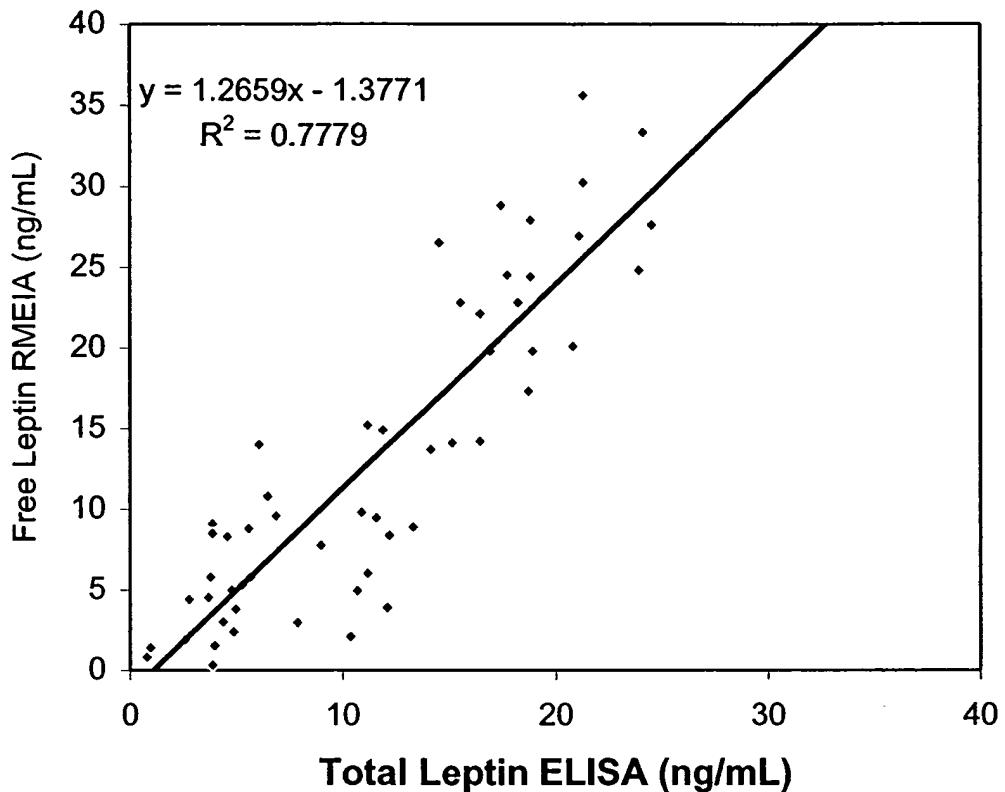


Figure 4. Comparison of free leptin RMEIA with total leptin ELISA in samples with total leptin of < 25 ng/mL. The figure shows the expanded relationship between the corresponding sample values depicted in the lower region of Figure 3. RMEIA leptin standards were prepared in normal goat serum. Values are means of duplicate measurements.

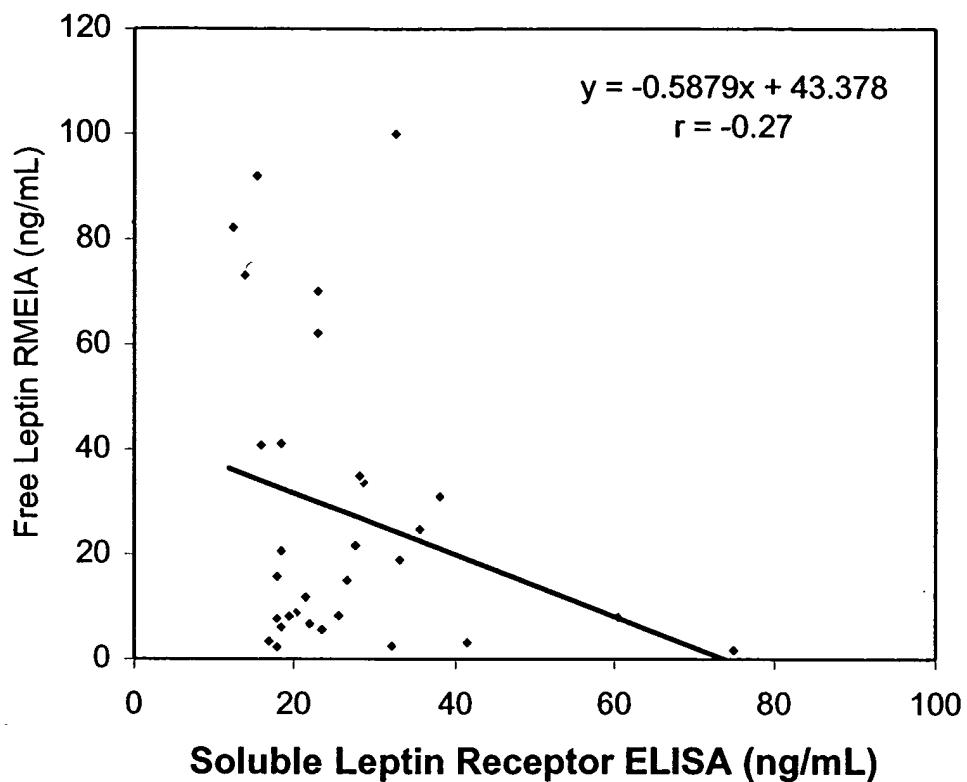


Figure 15. Relationship between free leptin and soluble leptin receptor. A randomly selected population of adult male and female clinical samples ($n=31$) were assayed by the present Free Leptin RMEIA and by a commercial Soluble Leptin Receptor ELISA. Values are means of duplicate measurements.